

Appendix O – National States Geographic Information Coordinating Council’s (NSGIC) Coordinating Criteria

Appendix O includes the characteristics that the National States Geographic Information Coordinating Council found were present in successful State GIS coordinating programs across the country. Also included are explanations of each of these criteria. One of the goals expressed by the GeoLibrary Board was to better align Maine’s GIS coordination program with these criteria.

NATIONAL STATES GEOGRAPHIC INFORMATION COUNCIL (NSGIC)

COORDINATION CRITERIA

1. A full-time, paid coordinator position is designated and has the authority to implement the state's business and strategic plans.

Explanation: Many states have created one or more full time positions to oversee coordination of geospatial technologies. These individuals are responsible for implementing the state's business plan and are typically assigned to the Governor's Office, Chief Information Officer, Budget Department, or the Technology Office. In some states, these duties fall on a volunteer and in others, no one is willing to assume this role. Having a full-time paid individual is advantageous and a significant portion of their energy is channeled into on-going statewide coordination council activities.

2. A clearly defined authority exists for statewide coordination of geospatial information technologies and data production.

Explanation: A responsible individual or group has been designated in many states through executive orders, budget authorizations, or legislation. These individuals, or groups, are usually better able to deal with difficult coordination issues since they are empowered to perform this function. In some cases, "all volunteer" efforts are very effective at coordinating statewide activities through consensus building. These groups are often recognized as a "clearly defined authority" although they have no specific powers.

3. The statewide coordination office has a formal relationship with the state's Chief Information Officer (or similar office).

Explanation: Geospatial technologies are clearly a component of any state's information technology architecture, but they are not always viewed as such by "old school" IT leaders. A close relationship with the state CIO is essential to move major geospatial technology initiatives forward.

4. A champion (politician or executive decision maker) is aware and involved in the process of coordination.

Explanation: A visionary political champion who understands geospatial technologies is a valuable ally that can help obtain recognition and funding to support new initiatives. Without a strong political champion, new initiatives often fail.

5. Responsibilities for developing the National Spatial Data Infrastructure and a State Clearinghouse are assigned.

Explanation: The responsibility for the component pieces of the NSDI should be assigned to appropriate staff and agencies to ensure that stewards are identified, and to prevent duplication of effort. Assignment of responsibilities should happen in advance of actual need, to ensure that the appropriate activities are planned for and incorporated into the state's business plan.

6. The ability exists to work and coordinate with local governments, academia, and the private sector.

Explanation: Each state must have the capability to routinely meet and coordinate with all other sectors. Safeguards should be developed to ensure that the needs of other sectors can be incorporated through consensus building activities.

7. Sustainable funding sources exist to meet projected needs.

Explanation: Sustainable funding is the foundation of effective partnerships. Data production tends to be the highest component cost for implementation of geospatial technologies and most users have requirements for continuous updating of data layers that need reliable fund sources. Effective consortia can only be established when each of the players brings something to the partnership. Non-lapsing funds also help to stabilize partnerships.

8. Coordinators have the authority to enter into contracts and become capable of receiving and expending funds.

Explanation: To be effective, individual state GIS coordinators or the agencies identified as the stewards for the component pieces of the NSDI must be able to readily contract for software, systems integration, training, and data production costs. Often partnerships can be “brokered” to capture end-of-year funds when contracting mechanisms are already in place.

9. The Federal government works through the statewide coordinating authority.

Explanation: It is essential that Federal agencies use statewide GIS Coordination offices and councils as a type of “clearinghouse” to make sure that grant opportunities are being used wisely to implement the business plans of the states. Going through the coordination offices and councils will also help to minimize duplications of effort.

Appendix P – Opening Board Questions

Appendix P includes the initial questions asked of the Board to open discussions on the strategic planning and integrated land records needs. This information was used in the SWOT Analysis.

James W. Sewall Company

Sewall Team Client Questions

Project: Strategic and Business Plan Development in Support of the NSDI Future Directions
Fifty States Initiative & Property Boundary Data Capture and Integration Framework

Client: Maine GeoLibrary Board (Board)

Meeting Date: February 20, 2008

Location: Augusta, ME

Questions:

Strategic Planning

1. What do you see as the three greatest strengths in the current statewide GIS coordination efforts?
 - a. _____
 - b. _____
 - c. _____
2. What are the three most important things that you would like the statewide GIS coordination to do that is not currently doing? (Please be specific)
 - a. _____
 - b. _____
 - c. _____
3. Who do you see as the three most likely political champions for GIS in Maine?

| <u>Name</u> | <u>Organization</u> |
|-------------|---------------------|
|-------------|---------------------|
4. What do you believe are the best sustainable funding sources for GIS in Maine?
 - a. _____
 - b. _____
 - c. _____

Integrated Land Records Information System

5. What do you feel would be the greatest BENEFITS of accurate and up-to-date statewide parcels to you and your organization?
 - a. _____
 - b. _____
 - c. _____
6. What is the most important parcel data ATTRIBUTE information (i.e., Ownership, Value, Address, Map/Lot ID, Book/Page ID) you require for these data to be of greatest value to you and your organization?

-
7. If a single county or regional area could be made available as a PILOT PROJECT as part of this initiative, what county or area would you nominate, and why?
-

8. What organizations or individuals do you anticipate challenging statewide, publicly available parcel development and distribution?
-

Maine GeoLibrary Board Member _____
(Please print)

Appendix Q – 2008 Maine Maturity Assessment

Appendix Q contains a document intended as an overview of geospatial health and maturity across a state. Each Maine GeoLibrary Board member was given a copy early in the strategic planning process and asked to assess the status of statewide GIS coordination through its questions

This document was adapted from one developed by Danielle Ayan, GISP, Research Scientist II, Georgia GIS Clearinghouse Manager, Services Node, Center for Geographic Information Systems, Georgia Institute of Technology, Atlanta, Georgia and Michael Ouimet, State GIS Coordinator, State of Texas, Austin, TX with the permission of its authors.

It was designed to assist the strategic planning team in assessing the State's current position in its ability to deliver geospatial services to the State's citizens, governments and businesses. This document categorizes geospatial program and project components necessary for better decisions by anyone at any level in the public and private sectors.

Results from this document were taken into consideration in developing the SWOT Analysis.

The 2008 Maine GIS Maturity Assessment

Adapted by the Sewall Team

James W. Sewall Company

Oswald Associates

Reference Standard

Somers-St. Claire

ACKNOWLEDGEMENTS

Special Recognition - This document is adapted from a document developed by Danielle Ayan, GISP, Research Scientist II | Georgia GIS Clearinghouse Manager, Services Node, Center for Geographic Information Systems, Georgia Institute of Technology, Atlanta, Georgia and Michael Ouimet, State GIS Coordinator, State of Texas, Austin, TX. Georgia and Texas have made this document available to anyone who can benefit from its use, with the caveat that changes/modifications are sent back to the original authors: Danielle.ayan@coa.gatech.edu and michael.ouimet@dir.state.tx.us. As written, this document is intended as an overview of geospatial health and maturity across a state. Contributions to content improvement are encouraged.

THE 2008 MAINE GIS MATURITY ASSESSMENT

EXECUTIVE SUMMARY

Mission of this Document:

The mission of this document is to assist the strategic planning team in assessing the State's current position in its ability to deliver geospatial services to the State's citizens, governments and businesses. This document categorizes geospatial program and project components necessary for better decisions by anyone at any level in the public and private sectors.

We're asking each Maine GeoLibrary Board member to assess the status of statewide GIS coordination through the following questions. This will be used as a benchmark for the strategic planning project. The components within each category reflect Maine's capability to provide the geospatial services recognized by local, state and federal agencies as essential to a successful service delivery across agencies. Please rank each item from 1 to 5 with one being the least effective and 5 being the most. The results of the study will be summarized at a later date.

Thank you for your participation and willingness to improve GIS coordination in Maine.

Bruce Oswald

Oswald Associates, LLC (Part of the James W. Sewall Company Team)

| MAINE'S GIS SCORE CARD | |
|---|---|
| | 5 – Fully Implemented 4 – In Progress – Fully Resourced to Complete 3 – In Progress – Partial Resources Available 2 – Planned – Resources Assigned 1 – Not Planned – No Resources Assigned 0 – Not Applicable |
| Geospatial Coordination and Collaboration | |
| | <p>1. A full-time, paid State GIS coordinator or state geographic information officer (GIO), endorsed via legislation or executive order, exists and has been assigned a clear, written mandate (for statewide GIS Coordination) with defined duties and responsibilities and is a member of a State GIS Council.</p> <p><u>Comment:</u> For the purposes of this assessment, the GeoLibrary Board should be considered as the state geospatial coordination council.</p> |
| | 2. A state geospatial coordination council (Council) exists from legislation or an executive order that has assigned a clear, written mandate with defined duties and responsibilities. |
| | 3. The Council has a mission to support and partner in the development of national, state and local spatial data infrastructures via a charter and by-laws adopted by its members. Toward this end, the Council produces strategic and business implementation plans and updates them on a periodic cycle. |
| | 4. The Council membership is inclusive and represents all major stakeholders and interest groups via standing committees and/or workgroups within the council's geographic or administrative area. |
| | 5. The Council is guided by a steering committee or governing board composed of a representative selection of member stakeholders and interest groups. |
| | 6. The Council has paid staff assigned to it to provide administrative support and maintain continuity through changes in committees and workgroups. |
| | 7. The Council has a review and coordination role for GIS projects within its geographic or administrative area to help ensure projects meet the goals established in the council's strategic and business plans. |
| | 8. The State GIS Coordinator and the State Council have a formal relationship with the Chief Information Officer (or equivalent office). |
| | 9. The Council has involvement and a channel of communication to executive and elected leadership on its progress and recommendations for improvements. |
| | 10. Geospatial technology is addressed and measured in the state's information technology strategic plan. |
| | 11. The State is represented on the National States Geographic Information Council (NSGIC). |
| | 12. Key geospatial liaisons exist and are members of the State Council. |
| Geospatial Data Development | |

| MAINE'S GIS SCORE CARD | | 5 – Fully Implemented 4 – In Progress – Fully Resourced to Complete 3 – In Progress – Partial Resources Available 2 – Planned – Resources Assigned 1 – Not Planned – No Resources Assigned 0 – Not Applicable |
|--|---|--|
| | 13. A strategic plan and supporting business plan(s) exists for NSDI framework layers and other statewide digital basemap layer development. In each, Program custodian(s) exist for each basemap layer. | |
| | 14. Data development standards are adopted and implemented for each state base-map layer. | |
| | 15. Geospatial Data Models are adopted and implemented for each state base-map layer. | |
| | 16. A formal project lifecycle plan has been developed for each basemap layer with procedures for improving and enhancing the data based upon an independent and rigorous QA/QC review process and user feedback. | |
| | 17. A coalition of executive sponsors, business, elected leadership, and other key stakeholders exist that value basemap data for a wide array of applications vital to the citizenry (the value should be quantified in the comments below). | |
| Metadata, Discovery and Access, and Geospatial Web Services | | |
| | 18. A funded State Geospatial clearinghouse(s) exists. | |
| | 19. The geospatial clearinghouse(s) maintain a current and easily searchable on-line catalog of local, state, and federal geospatial data holdings that provide metadata records for all downloadable data and data are provided in formats useable for the majority of professional users. | |
| | 20. The state's collection of geospatial web services and downloadable maps are available or linked through the State Web Portal. (For public access) | |
| | 21. A registry exists of published geospatial Web services (<i>Universal Description, Discovery & Integration -UDDI</i>). (For development purposes) | |
| | 22. The state has a data sharing agreement program to facilitate and encourage the appropriate sharing of geospatial data between all levels of government. | |
| | 23. The GIS Coordination Council maintains a directory of membership and a list of stakeholder contacts (example, a current list of all GIS Coordinators at state, regional and local government organizations is publicly accessible). | |
| | 24. Digital data backup and archiving of geospatial data are routinely performed per state and national archive specifications. | |
| Statewide Partnership Programs | | |
| | 25. State partnership programs exist that are authorized to enter into state contractual and financial agreements with multiple parties to develop geospatial data. | |
| | 26. The state has established master purchase agreements and enterprise license agreements for geospatial data development, licensing and software. | |
| | 27. The GIS Coordination Council has a program to develop program alliances and | |

| MAINE'S GIS SCORE CARD | | 5 – Fully Implemented 4 – In Progress – Fully Resourced to Complete 3 – In Progress – Partial Resources Available 2 – Planned – Resources Assigned 1 – Not Planned – No Resources Assigned 0 – Not Applicable |
|-------------------------------|---|--|
| | reciprocal agreements with other organizations that have a common mission or business interest (i.e., an optional partnership). | |
| | 28. The GIS Coordination Council has the ability to manage grants and partnership programs either directly or indirectly through an administrative agency (i.e., a fiscal partnership). | |
| | 29. The coordination council maintains an active and funded GIS outreach program to encourage NSDI, state, regional, and local government partnerships and alliances. | |
| | 30. The GIS Coordination Council maintains a current inventory of major projects and programs being conducted by stakeholders. | |
| National Partnership Programs | | |
| | 31. The state is participating in the Federal Geographic Data Committee's (FGDC) National Spatial Data Infrastructure (NSDI) Program. | |
| | 32. The state participates in the National Map Program. | |
| | 33. The state participates in the Geospatial One Stop Program. | |
| | 34. The state participates in the National Height Modernization Program. | |
| | 35. The state participates in the National Digital Elevation Program (NDEP). | |
| | 36. The state participates in the USGS/NGA Homeland Security (133 Urban Areas Program). | |
| | 37. The state participates in the USDA/FSA National Aerial Information Program (NAIP) and the USGS National Orthoimagery Program. | |
| | 38. The state participates in the Federal Emergency Management Agency (FEMA) Flood Map Modernization Program. | |
| | 39. The state participates in the Census Bureau MAP/TIGER Modernization / Local Update of Census Addresses (LUCA), and Boundary and Annexation Survey (BAS) Programs. | |
| | 40. The State participates in the HSIP Freedom Program. | |
| | 41. The State participates in NSGIC's RAMONA Program. | |
| | 42. The State participates in the High Growth Training Initiative (Geospatial Technologies). <u>Comment:</u> Presidential Executive Order 12906 defines the NSDI as "the technology, policies, standards, and human resources necessary to acquire, process, store, distribute, and improve utilization of geospatial data (see also Office of Management and Budget (OMB) Circular A-16) Geospatial Technologies is one of 14 sectors that fit within the following criteria: 1) They are projected to add substantial numbers of new jobs to the economy or affect the growth of other industries; or 2) They are existing or emerging businesses being transformed by technology and innovation requiring new skills sets for workers. http://www.doleta.gov/BRG/JobtrainInitiative | |

| MAINE'S GIS SCORE CARD | | 5 – Fully Implemented 4 – In Progress – Fully Resourced to Complete 3 – In Progress – Partial Resources Available 2 – Planned – Resources Assigned 1 – Not Planned – No Resources Assigned 0 – Not Applicable |
|---|---|--|
| Geospatial Policies, Standards, Specifications and Best Practices | | |
| | 43. A state organization has the responsibility to recommend, adopt, promulgate and implement geospatial policies, standards, specifications and best practices. | |
| | 44. The state has adopted and implemented as appropriate FGDC, OGC, ANSI and ISO or more detailed state and local geospatial standards and specifications. | |
| | 45. A data sharing standard or policy has been adopted to promote the open and free exchange and sharing of non-sensitive geospatial data with appropriate metadata to all NSDI stakeholders. | |
| | 46. The state has addressed homeland security and privacy issues for public access to GIS data through laws and/or administrative rules. | |
| | 47. If the state has an exception to the Freedom of Information Act (FOIA) regarding the sale of GIS data, a business model(s) and/or guidelines regarding uniform and equitable fees for GIS data reproduction and distribution have been provided. | |
| | 48. Open Geospatial Consortium (OGC) specifications have been adopted to promote interoperable geospatial Web services, a Web Services Definition Language (WSDL) standard has been adopted and a standard for information content display requirements has been adopted (e.g. <i>disclaimers, contact info, parent links</i>). | |
| | 49. Best practices for contracts containing geospatial requirements for state agencies have been adopted. | |
| Training, Education, and Professional Networking Activities | | |
| | 50. The state maintains an internal user helpdesk for GIS users that provides guidance, helps solve technical problems, and answers questions. | |
| | 51. The state has a program to provide GIS technical training and professional development opportunities for staff and other stakeholders. | |
| | 52. A program exists to connect universities, community colleges and professional and trade schools that are seeking partnerships and opportunities for students to gain experience solving real-world problems with state geographic information science and technologies programs (i.e., educational articulation across institutions). | |
| | 53. A program exists to train GIS stakeholders on NSDI concepts and principles (e.g. <i>metadata, standards, clearinghouse operations, NSDI roles and responsibilities, et cetera</i>). | |
| | 54. The GIS Coordination Council has formed affiliations with geospatial professional organizations operating in the state such as URISA, GITA, AAG, ASPRS, professional surveyors and software user groups. | |
| | 55. A state classification or job description system exists for GIS professionals. | |

Appendix R – Participants & Stakeholders

Appendix R contains a listing of the major participants in this process from the GeoLibrary Board and from the Board's Project Team both of whom provided outstanding leadership on this project. In addition to those individuals, we have included a listing of individuals that have been identified as stakeholders on the project and have been received material on this project and, many of whom, have provided direct input in Maine's strategic planning process.

Initial Board Members

| Member | Sector Representing |
|---------------------------------------|---|
| Jim Page | GIS Vendors |
| Marilyn Lutz | University of Maine System |
| Gary Duplisea | Utility Interests |
| Dan Coker, Vice-Chair | Environmental Interests |
| Gretchen Heldmann | Municipal Government |
| William Hanson, Chair | Real Estate & Development Interest |
| Robert Marvinney | State GIS Functions |
| Christopher Kroot | State GIS Functions |
| Michael Smith | Office of the Chief Information Officer |
| Gregory Copeland | Municipal Government |
| Nancy Armentrout | Commissioner of Administrative & Financial Services |
| Kenneth Murchison | Statewide Association of Regional Councils |
| Jon Giles | GIS Vendors |
| Aimee Dubois | Public |
| Paul Hoffman | Statewide Association of Counties |
| STAFF TO THE BOARD | |
| Larry Harwood | Maine Office of GIS |

Current Board Members

| | |
|---------------------------------------|---|
| Stu Rich | GIS Vendors |
| Marilyn Lutz | University of Maine System |
| Greg Davis | Utility Interests |
| Dan Coker, Vice-Chair | Environmental Interests |
| Gretchen Heldmann | Municipal Government |
| William Hanson, Chair | Real Estate & Development Interest |
| Robert Marvinney | State GIS Functions |
| Christopher Kroot | State GIS Functions |
| Michael Smith | Office of the Chief Information Officer |
| Gregory Copeland | Municipal Government |
| Nancy Armentrout | Commissioner of Administrative & Financial Services |
| Kenneth Murchison | Statewide Association of Regional Councils |
| Jon Giles | GIS Vendors |
| Aimee Dubois | Public |
| Paul Hoffman | Statewide Association of Counties |
| STAFF TO THE BOARD | |

[Larry Harwood](#)

Maine Office of GIS

Project Team Members

Nancy Armentrout – Team Leader

Greg Copeland

Diane Godin

Bill Hanson

Marilyn Lutz

Dan Walters

Steve Weed

Board Project Manager

Will Mitchell – Mitchell Geographics, Inc.

1st DRAFT

Stake Holders

| <u>Last Name</u> | <u>First Name</u> | <u>Title</u> | <u>Organization</u> |
|-------------------------|--------------------------|---------------------------------|----------------------------------|
| Adjutant | David | | |
| Agro | Dan | | <i>Mitchell Geographics</i> |
| Albertini | Jonathan | | Hannafod |
| Allen | Kenneth | Assessor | Casco |
| Ames | Russel | Town manager | Verona Island |
| Amoroso | Kelly | EMA | Kennebec County |
| Andersen | Karen | | Government - Federal |
| Anderson | Debra | Register of Deeds | York County |
| Armentrout | Nancy | | Government - State |
| Arndt | Ken | Economic and Community Director | |
| Arseneault | Barbara | | Waldo County |
| Astarita | Art | | Non-profit |
| Aston | Edward | Border Patrol Agent | US Customs and Border Protection |
| Auger | Michael | | Androscoggin Land Trust |
| Austin Wardwell | Jennifer | | Klein Schmidt |
| Avila | Kyle | Assessor | Mt. Desert |
| Bampton | Matthew | | USM |
| Banks | John | Natural Resources Director | Penobscot Nation |
| Barker | Alison | | Regional Councils |
| Barker | Seth | | Government - State |
| Bartlett | Pamela | | Government - County |
| Barton | Elizabeth | Natural Hazard Planner | MEMA |
| Bastey | Cindy | | Government - State |
| Beard | Kate | | Education |
| Beaulieu | Douglas | | Aroostook County |
| Beazley | Willis | | University of Maine |
| Belanger | Peter | | Government - State |
| Bell | Kathleen | | University of Maine |
| Bellis | Kelly | | Private Business |

Appendices

| | | | |
|------------|----------|-----------------------------|---------------------------------|
| Belyea | David | Site Manager | Air Force Real Property Agency |
| Bennet | Jim | First Selectman | Thorndike |
| Bensen | Bud | Town Planner | Standish |
| Berkowitz | Mitchell | | Gray |
| Berkowitz | Mitchell | Town Manager | Gray |
| Bernier | Donna | Town Manager | |
| Bernstein | Judy | Planner | Kennebunk |
| Bertrand | Matt | | University of New England |
| Bickford | Sue | GIS and resource specialist | Wells Reserve |
| Bird | Sheldon | | Government - State |
| Birmingham | Sylvia | | Knox County |
| Birtz | Ruth | | Lincoln |
| Blackburn | Richard | Assessor | City of Portland |
| Blackburn | Susan | | Government - County |
| Blocher | David | | Government - State |
| Bogart | Renee | | City of Auburn |
| Bohlman | Robert | | York County |
| Boothroyd | Jen | | Regional Councils |
| Boston | Dennis | | CMP |
| Botting | William | | Town of Sanford |
| Bowdoin | Brian | | Bowdoin Associates |
| Bowe | Daniel | Systems Analyst | Global Relief Technologies Inc. |
| Brackett | Todd | | Lincoln County |
| Bradstreet | Mark | | Bradstreet Consultants |
| Brady | Angela | GIS Program Aide | UM at Machias |
| Breau | Susan | | Utility |
| Brierley | Bruce | First Selectman | |
| Brierly | Bruce | | Government - Municipal |
| Broussard | Laura | | Sagadahoc County |
| Brown | Patricia | | Aroostook County |
| Buck | Clifford | Code Enforcement Officer | Readfield |

Appendices

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|-----------------|----------|----------------------|---------------------------------|
| Buck | Steve | City Manager | Caribou |
| Bulay | Susan | | Penobscot Co. register of deeds |
| Burgess | Judy | Town Planner | Berwick |
| Burke | Robert | | Bangor Water |
| Burns | Tom | | Agis Maps |
| Bustin-Hatheway | Beverly | | Kennebec County |
| Butler | Kathleen | | Central Maine Power |
| Butts | Cindy | Executive Director | Maine Realtors |
| Caldwell | Mark | Assessor | Farmington |
| Campbell | Jim | | Education |
| Capone | Ed | | NOAA |
| Caron | Louise | | Aroostook County |
| Caron | Spencer | Survey Tech | Northern Maine Surveyors |
| Carrellas | Tom | Data Manager | City of South Portland |
| Carter | Judy | | Berwick |
| Carter | Jon | Town Manager | Kittery |
| Cary-Kothera | Lori | | NOAA |
| Case | Lance | | Private Business |
| Catlin | James | Town Manager | |
| Cavendar | Clyde | Assessor | Bowdoin |
| Cayce | Dalton | | Wells Reserve |
| Cayer | Lionel | Director Engineering | |
| Chace | Jay | | Harpswell |
| Chakravarty | B.Victor | | Maine OIT |
| Charest | Greg | | EPA |
| Charry | Barbara | | Maine Audubon |
| Clannon | Lamarr | | <i>NEMO</i> |
| Clark | Robert | | Private Business |
| Clark | William | | Hancock County |
| Cloutier | Mary | | Government - State |
| Clukey | Jack | | Dover Foxcroft |
| Cohen | Deb | | EPA |
| Coker | Dan | | Non-Profit |
| Colby-George | Judy | | Spatial Alternatives |
| Collins | Bill | | Penobscot County |

Appendices

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|-------------|----------|----------------------------|------------------------------|
| Condon | Stephen | | Houlton |
| Conlogue | Eugene | Town Manager | Millinocket |
| Conover | Shey | | Island Institute |
| Copeland | Greg | GIS Coordinator | City of Biddeford |
| Corey | Fred | Natural Resources Director | Micmac Tribal |
| Cousins | Lewis | Assessor | Castle Hill-Chapman-Mapleton |
| Couture | Joseph | | Maine OIT/DOT |
| Craig | Don | | Regional Councils |
| Crawford | Steve | Environmental Planner | Wabanaki Tribal |
| Crichton | Peter | | Cumberland County |
| Crocker | Michelle | | Central Maine Power |
| Cummings | Brenda | | Bath |
| Curtis | Clifton | LTS Program Manager | MDOT |
| Curtis | Julie | | Hancock County |
| Cyr | David | Public Works Director | Fort Kent |
| Daigle | Peggy | Town Manager | Old Town |
| Dalton | Cayce | | Wells Reserve |
| Daniels | Williams | Aviation Coordinator | Stantec |
| D'Arcangelo | Michael | Assessor | Gorham |
| Davis | Greg | | TW Cable |
| DeLong | Barry | Sheriff | Somerset County |
| Demers | Sarah | | Government - State |
| Denis | Gena | | Government - State |
| Dennison | Donna | Sheriff | Knox County |
| DePrenger | Cynthia | | Hancock |
| Deschène | Clinton | Town Manager | Hermon |
| Desjardin | Jason | Operations Forester | Orion Timberlands LLC |
| DesJardins | Guy | | Government - County |
| Desmond | Jay | GIS Specialist | |
| Devlin | Robert | | Kennebec County |
| DiBello | Carol | | Government - State |
| DiDonato | William | | Old Orchard Beach |
| Dion | Mark | | Cumberland County |
| Dionne | Michelle | Director-Research | Wells Reserve |
| Doan | John | | Camden |
| Doiron | Robert | | Government - State |

Appendices

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|------------------|----------|-------------------------------|--|
| Donley | John | | UMPG |
| Donoghue | Kevin | | Private Business |
| Donovan | Cathleen | | Brunswick |
| Dostie | Crystal | Assessing | Augusta |
| DuBois | Aimee | GIS Coordinator | Town of Scarborough and Saco |
| DuBois | Chery | Assessing | Auburn |
| Dudley | Eric | GIS Coordinator | Westbrook |
| Duguay | Michael | Director Economic Development | |
| Dunlap | Art | | Poland |
| Dunn | Michael | | Government - State |
| Dunno | Linda | | Hancock County |
| Duperry | Phil | | Maine Municipal Association |
| Duplisea | Gary | | Private Business |
| Durgin-Leighton, | Kathy | Econ. Dev. Coord. | |
| Dyer | James | | MSAD 48 |
| East | Judith | | Washington County Council of Governments |
| Edwards | Thomas | GIS Administrator | Town of Rockport |
| Hedefine | Eeva | | James W. Sewall |
| Ellis | Bob | Code Enforcement Officer | |
| Falla | John | | St. George |
| Faloon | Mary | | Government - County |
| Faucher | Raymond | | Government - State |
| Faunce | Bob | | Regional Councils |
| Fendl | John | | Government - State |
| Finelli | Robert | | Dig Safe |
| Fisher | Jim | | Association |
| Fisk | James | Economic Development Director | |
| Fitzgerald | James | | Ellsworth |
| Flaherty | George | | Cumberland County |
| Forbes | Peter | Project Manager | Air Force Real Property Agency |

Appendices

| | | | |
|------------|-----------|-----------------------|--|
| Fortier | Barbara | | Androscoggin Valley Council of Governments |
| Fossum | Deborah | Town Planner | Gorham |
| Foster | Walter | | Waldoboro |
| Foster | John | GIS Coordinator | Brunswick |
| Fournier | Patricia | | Government - County |
| Fox | Brad | | Blackstone Land Surveying |
| Frament | Bill | | Government - Federal |
| Francomano | James | City Planner | City of Presque Isle |
| Frawley | Erin | | Central Maine Power |
| Frost | Lisa | | Manchester |
| Fulton | Carole | | Oxford County |
| Gabrielson | Jeremy | | Regional Councils |
| Galant | Eric | | Regional Councils |
| Gallant | Wayne | | Government - County |
| Gambrel | Sean | | Kappa Mapping |
| Gardiner | Larry | Assessor | Ellsworth |
| Garold | Don | | Private Business |
| Geaghan | Kathleen | | Oakland |
| Geaghan | Bob | | Van Tuinen Assoc. |
| Geaumont | Jeff | Assessor | Town of Sanford |
| Giddings | George | Assessors Agent | |
| Giffen | Tom | | EPA |
| Giles | Jon | | Sebago Technics |
| Gilliam | Werner | Assistant CEO | Kennebunkport |
| Gillway | James | Town Manager | Searsport |
| Gimond | Manuel | | Education |
| Giroux | David | | Hallowell |
| Giroux | John | Public Works Director | Winslow |
| Glaser | Ed | | Rockport |
| Glidden | Katherine | | Private Business |
| Godin | Diane | | Somerset Registry of Deeds |
| Goggin | John | | Government - County |
| Goldsmith | Stephen | Selectman/Assessor | Town of Lovell |
| Goodwin | Gabriel | CEO | Houlton |

Appendices

| | | | |
|-----------|-----------|---------------------------------|---|
| Gove | Alan | | Van Tuinen Co. |
| Graham | Patrick | Director of Project Development | James W. Sewall Co |
| Greely | David | Selectman | Town of Jackson |
| Green | Mark | | Government - Municipal |
| Green | Misty | | Sagadahoc County |
| Greenlaw | Suzanne | | UMPG |
| Griffen | Tom | | EPA |
| Grimshaw | Pamela | Town Manager | Wayne |
| Grube | Jospeh | Assessing | Lewiston |
| Gurney | Matt | | Greater Portland Council of Governments |
| Hachey | Debora | Chair Board of Selectmen | Bowdoin |
| Haeuser | Tex | Planning Director | South Portland |
| Hale | Stephen | | EPA |
| Hall | Lyle | | Government - State |
| Hammond | Jeff | CEO | Town of Bucksport |
| Hand | Jeffrey | | Brewer |
| Hanscom | Jennifer | | AUBURN |
| Hanson | Bill | | Legal |
| Hanson | Wade | CEO | Town of Houlton |
| Hardy | Timothy | | Government - County |
| Harmon | Steve | GIS Manager | First Wind |
| Harrison | Andrianne | | NOAA |
| Harwood | Larry | | Government - State |
| Haskell | Wes | | Bangor Water |
| Hatch | Scott | | Non-profit |
| Hawley | Tom | | NOAA |
| Hayes | Tom | | Wm Van Tuinen Assoc. |
| Hedefine | Eeva | | Private Business |
| Heldmann | Gretchen | GIS/IT Specialist | Town of Hamoden |
| Henderson | Michael | | Piscataquis County |
| Hennessey | Justin | | Topsham |
| Herold | Nate | | NOAA |
| Hertz | Liz | | Government - State |
| Hewitt | James | Economic Development | SKOWHEGAN |

Appendices

| | | | |
|--------------|----------|---------------------------|-----------------------------|
| Hewlett | Jeff | | Skowhegan |
| Higginbottom | Gary | | Private Business |
| Higgins | Paul | | Government - State |
| Higgins | James | Surveyor | BRUNSWICK |
| Higgins Sr. | Robert | | Somerset County |
| Hile | Pamela | | West Bath |
| Hinerman | Michael | | Government - County |
| Hinson | Jonathan | | Maine OIT |
| Hirning | Cynthia | | Westbrook |
| Hitchcock | Kimberly | Engineering/GIS Technican | Maine Public Service Center |
| Hobbins | Dave | Professor | UMFK |
| Hodgman | Lindsay | | USDA |
| Hollins | Tammi | | Wells |
| Holt | Robert | | CMA |
| Horr | Brett | GIS Coordinator | |
| Houston | Bob | | Government - Federal |
| Howe | Bob | | Association |
| Huck | Chris | | Regional Councils |
| Huston | Chris | GIS Forester | Irving Woodlands LLC |
| Isaacson | James | Town Planner | New Gloucester |
| Iverson | Thomas | | Government - County |
| Ives | Geoffrey | | Delorme |
| Izzo-Morin | Marianne | | Otisfield |
| Jackson | Ellen | | Government - State |
| Jacobi | Paul | | MaineDOT |
| Janiewski | Walter | | OLD ORCHARD BEACH |
| Jellis | Dan | | Yarmouth |
| Johns | Linda | | Education |
| Johnson | Andrew | | Government - State |
| Johnson | Tanya | | Government - State |
| Johnson | Eileen | | Bowdoin College |
| Johnson | Tora | | Univ. of Maine/Machias |
| Johnson | Patrick | | MaineDOT |
| Jones | R.Neal | | UMPG |
| Jordan | Charles | | Manchester |
| LeGore | Jay | | Montville |

Appendices

| | | | |
|------------|-------------|--------------------------------------|----------------------|
| Leighton | E.Ryan | Town Engineer | LISBON |
| Wood | John | | Lyman |
| Kablitz | Antje | | Private Business |
| Kamm | Jay | | Regional Councils |
| Kane | Nate | | Government - State |
| Katnik | Don | | Government - State |
| Keane | Ellen | | NOAA |
| Kearney | Frank | | Utility |
| Keene | Matt | | USM |
| Kelso | Paula | Comp. Planning Committee | |
| Kent | Rick | Code Enforcement Officer | Rumford |
| Kerns | Bruce | Assessor | Kittery |
| Kerns | Bruce | | Kittery |
| Kiedrowski | Claire | President | Kappa Mapping |
| Kilton | Caron | Administrative Assistant | |
| Kimball | Mike | | University of Maine |
| Knorr | Joyce | Branch Manager | American Red Cross |
| Konczal | Robert | Assessor | Freeport |
| Kooyege | Kenneth | | Rockport |
| Kroot | Christopher | | Government - State |
| L'Heureux | Dan | Town Manager | China |
| Lacey | Sharon | Assessor | |
| LaChapelle | Renee | Assessing | Auburn |
| Lamb | Gary | Director of Planning and Development | Old Orchard Beach |
| Lambert | Keeley-Anne | | Wells |
| Land | Andrew | | Ransom Environmental |
| Landry | Amy | | Regional Councils |
| Lane | Nancy | | Cumberland County |
| Lapierre | Mark L | MIS Director | Wells |
| LaPlante | Fred | | Mercer |
| Lea | Ferg | | |
| Leach | Clifford | Selectman | Town of Brooksville |
| Leahy | Lisa | | Maine OIT |

Appendices

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|------------|----------|--------------------------------|------------------------|
| Leavitt | Ferg | | Regional Councils |
| Leavitt | Chris | | St. George |
| Lebel | Curt | | Gardiner |
| LeGore | Jay | | Montville |
| Leighton | E.Ryan | Town Engineer | LISBON |
| Lent | Bob | Director | USGS |
| Lessard | Amanda | | New Gloucester |
| Levesque | Tony | Community Development Director | Town of Fort Fairfield |
| L'Heureux | Daniel | Town Manager | Town of China |
| Liberty | Randall | Sheriff | Kennebec County |
| Linsford | Jeff | | |
| Little | Loralynn | | MaineDOT |
| Lockman | JT | | Regional Councils |
| Longworth | Gordon | | Education |
| Lovley | Pamela | | Cumberland County |
| Lowe | Shana | | Utility |
| Luther | Tom | | Government - Federal |
| Lutz | Marilyn | | University of Maine |
| MacDougall | Mike | | EPA |
| Madone | James | | Aroostook County |
| Magoon | Julie | | Franklin County |
| Manning | Jim | | NOAA |
| Manning | J | | Education |
| Mansius | Donald | | Private Business |
| Marcotte | Thomas | | Maine OIT/DOT |
| Marshall | Barry | | Government - State |
| Marshall | Wayne | City Planner | Belfast |
| Martell | Steve | | University of Maine |
| Martinson | Bruce | | Association |
| Martinson | Eric | | Government - Federal |
| Martinson | Bob | | |
| Marvinney | Bob | | Government - State |
| Mateosian | Paul | Assessor | BATH |
| Matheson | Carol | Assessor | |
| Mathiau | Judy | | Rockport |
| Matson | Mark | | UMPG |

Appendices

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|------------|----------|--|---|
| McAnneny | Cathleen | | University of Maine |
| McDonald | Edward | | Non-profit |
| McDougal | Dona | | MSAD 48 |
| McLane | Lauren | | Government - Federal |
| McMahon | James | | Lincoln County |
| McPherson | Cynthia | Code Enf. Officer | Government - Municipal |
| Melanson | Rod | | Topsham |
| Menkin | Frank | | USDA |
| Mercier | Wilfred | | University of Maine |
| Merrill | Samuel | Edmund S. Muskie School of Public Service | Education |
| Metzler | Jake | | Non-profit |
| Miano | Rome | | Dig safe |
| Mike Young | Mike | Administrator | Phippsburg |
| Miller | Greg | | Government - State |
| Minor | Scott | | Utility |
| Mitchell | Will | | Mitchell Geographics |
| Moeller | Sonya | | Association |
| Monahan | Jared | | UMOG |
| Montefusso | Joseph | | Portland |
| Moody | Paula | | Rockport |
| Morey | Shannon | GIS Manager | WELLS |
| Morgan | Don | | Education |
| Moriarty | Kathy | | Utility |
| Mowery | Sandra | Planner | Kittery |
| Mowry | Scott | | NOAA |
| Murchison | Janine | Project Engineer | James W. Sewall |
| Murchison | Ken | GIS Specialist | Northern Maine Development Commission |
| Murley | Curt | | Government - Municipal |
| Murphy | Donald | | N.E. Forestry Const? |
| Myers | John | Town Clerk | Buxton |
| Nason | Ross | | Regional Councils |
| Nazar | Matt | Deputy Director | Augusta |
| Nehring | Fred | | Nehring Co. |
| Nicholson | Betsy | | NOAA |

Appendices

| | | | |
|--------------------|-----------|-------------------|--|
| Nims | Jeffrey | | Camden |
| Nixon | Carla | Town Planner | Cumberland |
| Nixon | Carla | | Government - Municipal |
| Nylen | Carl | | ESRI |
| O'Brien, | Mike | GIS | Auburn |
| O'Bar | Elizabeth | Assessor | City of Caribou |
| O'Clair | Felicia | GIS Coordinator | Maine Public Service |
| Oman- Saltmarsh | Jamie | | Regional Councils |
| O'Meara | Maureen | | Cape Elizabeth |
| Osher | Laurie | | University of Maine |
| Oswald | Bruce | | Private Business |
| Ouelette | Ben | GIS Coordinator | Portland |
| Ouellette | Alain | | NMDC |
| Ouellette | Maurice | | Government - County |
| Ouellette | Vernon | | Aroostook County |
| Ouellette | Maurice | | |
| Ownings | Cindy | | Government - State |
| Page | Deloris | Register of Deeds | Waldo County |
| Page | James | | Private Business |
| Pagels | Linda | | Government - County |
| Painchaud | Martine | | Eliot |
| Parker | Janet | | Government - State |
| Parker | Scott | | Government - County |
| Paul | Jonathan | | Lisbon |
| Pellerin | Timothy | | Lincoln County |
| Pellett | Cindy | GIS Coordinator | Eastern Maine Development Commission |
| Peppard | Dave | | Richmond |
| Peppard | Dave | Town Manager | Richmond |
| Philbrick | Lisa | | MaineDOT |
| Phillips | Richard | | Bangor Water |
| Phinney | Jennifer | IT Administrator | Falmouth |
| Pike | Dennis | | Government - County |
| Pinette | Nancy | | New Gloucester |
| Pinkham | Ralph | | Knox County |

Appendices

| | | | |
|-----------|----------|--------------------------|------------------------|
| Pito | Vincent | | Hancock County |
| Polky | Tim | | St. George |
| Pollack | David | | Woodward and Curran |
| Porter | Leisa | | Skowhegan |
| Post | William | | Knox County |
| Potvin | Joanne | | Government - County |
| Prokey | Jennifer | | UMPG |
| Puleo | Stephen | GIS Coordinator | South Portland |
| Pullen | Scott | Town Manager | Town of Levant |
| Pulver | William | | Government - State |
| Rea | James | | Government - State |
| Redmond | Anji | GIS Specialist | MEDEP and MEGIS |
| Reynolds | Todd | | Portland |
| Richert | Evan | Town Planner | Orono |
| Ring | Jim | | Bangor |
| Ring | Shiloh | Code Enforcement Officer | |
| Robbins | Abbi | | Private Business |
| Robinson | Daniel | Assessor | Kennebunk |
| Robinson | Calvin | | Penobscot County |
| Robinson | George | | Government - Municipal |
| Robinson | Milo | | Federal Geo |
| Robinston | Alden | | Government - Municipal |
| Robison | George | | Burnham |
| Rollins | Kathy | | Government - State |
| Root | John | Code Officer | Rockland |
| Root | John | | Rockland |
| Ross | Glenn | | Penobscot County |
| Ross | Claire | | Chebeague Island |
| Rowan | Hope | | Island Institute |
| Rowland | Ronald | | Government - Municipal |
| Rowley | Dale | | Waldo County |
| Roy | Normand | | Lewiston |
| Sands | Rick | | Private Business |
| Sardano | Jason | | Government - State |
| Savramis | Dean | | Government - Federal |

Appendices

| | | | |
|-------------|-----------|-----------------------------------|--------------------------------|
| Sawyer | David | Assessor & GIS Coordinator | Windham |
| Scammon | Karen | Assessing | Auburn |
| Schmidt | Miki | | NOAA |
| Schmidt | Vicki | GIS Specialist | Maine Fire Protection Services |
| Scott | Suzanne | | Legal |
| Seaver | Scott | Administrative Assistant | Town of North Yarmouth |
| Sessions | Cindy | | Government - Federal |
| Severance | Steve | GIS Manager | Utility |
| Shane | William | Town Manager | Cumberland |
| Silva | Marcia | | Lincoln |
| Simcock | Jason | Director Planning and Development | Gardiner |
| Simmons | Lisa | | Knox County |
| Skelton | Craig | Assessing Agent | Government - Municipal |
| Skelton | Barb | | North Yarmouth |
| Smith | Donald | | Washington County |
| Smith | Lee | Town Manager | Waldoboro |
| Smith | Linda | | Piscataquis County |
| Smith | Maura | | Government - Municipal |
| Smith | Michael | | Government - State |
| Smith | Rick | | Legal |
| Smith | Donald | | Washington County |
| Smith | Maura | | |
| Smith-Peter | Andy | | USM |
| Sneddon | Jeff | | Non-profit |
| Spaulding | Mike | | MaineDOT |
| Spencer | David | E911 Addressing Agent | Somerset County |
| St. Hilaire | Lisa | | Government - State |
| Stagge | Bob | | Maine OIT |
| Stankevitz | Frank | Code Officer | WINSLOW |
| Steele | Zack | | Wells Reserve |
| Stewart | Jon | | We Map It |
| Stillings | Amilynn | | State of Maine |
| Stocco | MacGregor | | Regional Councils |

Appendices

| | | | |
|------------|-----------|---------------------------------------|---------------------------------------|
| Story | Scott | | Waldo County |
| Strange | David | Environmental Coordinator | Air Force Real Property Agency |
| Strout | Sharon | Register of Deeds | Washington County |
| Sturgeon | Andrew | | Private Business |
| Sturl | Donna | Executive Assistant | Loring Development Authority of Maine |
| Suitor | Doug | GIS Coordinator | Maine EPA |
| Sutton | Rich | | Reference Standard |
| Szakas | Joe | | Education |
| Tabora | George | | Government - Federal |
| Taylor | Horace | | Town of Newcastle |
| Taylor | Steven | | Government - Federal |
| Taylor | Helen | | Gray |
| Therrien | Christine | Town manager | Town of Madawska |
| Thibeault | Louise | | Brunswick |
| Thomas | Allan | | Veazie |
| Tinder | Jim | | Stoneham |
| Tiner | Ralph | | Government - Federal |
| Tingley | Kevin | CEO | Town of Houlton |
| Tolman | Andrew | | Government - State |
| Tomah | Tony | Natural Resources Director | Houlton Band of Malisset Indians |
| Tormoehlen | Barbara | | Government - Federal |
| Touhill | Jamie | | MEGIS |
| Trehy | Susan | | Kappa Mapping |
| Trepanier | Elisa | | Windham |
| Trepanier | Ron | | Tax Assessment Service? |
| Trice | Elizabeth | Grants & Special Projects Coordinator | Cumberland County |
| Trinko | Tara | | NOAA |
| Tucker | Sarah | Assessor | Bethel |
| Turner | Mark | Service Hydrologist | NWS Caribou |
| Tuttle | Cynthia | Assessor | Fairfield |
| Upham | Jim | City Planner | Bath |
| Valentine | Vinton | Director of GIS | USM |
| Van Tuinen | William | Assessor's Agent | Van Tuinen Assessment Services |

Appendices

| | | | |
|------------|----------|---------------------------------------|---|
| Van Tuinen | Jacob | | Van Tuinen Assoc. |
| Varney | Susan | | Wiscasset |
| Vashon | Mike | Town Manager | Vassalboro |
| Vaughan | Taylor | GIS Planner | Knox County Emergency Management |
| Venno | Sarri | | Maliseets Tribal |
| Venno | Sharri | Environmental Planner | Maliseets Tribal |
| Violette | Hugh | Gis Planner Forestor | Orion Timberlands |
| Voyer | Ray | GIS Coordinator/Res.Inv.Specialist | USDA Natural Resources Conservation |
| Walsh | Matt | | US Army |
| Walters | Dan | Geospatial Liaison | USGS |
| Walton | Joan | | Regional Councils |
| Wang | Binke | | Government - Tribal |
| Wang | Chunzeng | | UMPG |
| Ward | Mark | | Bar Harbor |
| Ward | James | GIS Coordinator | LEWISTON |
| Wardwell | Jennifer | | Klein Schmidt |
| Wark | Richard | Fire Chief/EMA Director | Castle Hill-Chapman- Mapleton |
| Watts | Bob | | Town of Boothby |
| Webster | Maynard | | New Sharon |
| Weed | Steven | Assessor | Town of Bar Harbor |
| Weeks | Robin | | Somerset County |
| Wefel | Walther | | Private Business |
| Weston | Aaron | | James W. Sewall |
| Westrom | Mark | | Sagadahoc COunty |
| White | Michael | President | Dirigoo Spatial Systems |
| White | Robert | E 911 Spatial Database Manager | MEGIS |
| Whynot | Lisa | | Government - State |
| Widmer | Glen | | Montville |
| Wiggins | Julian | | Plisgaa dn Day Land Surveyors |
| Wight | David | Public Works | Old Town |
| Wilkins | Bruce | Consulting Forrester | Woodlaot Management Services |

Appendices

| | | | |
|------------|----------|-----------------------------------|--------------------------------|
| Willard | Don | Town Manager | Town of Raymond |
| Willauer | David | | Regional Councils |
| Williams | Kent | | Government - Federal |
| Wilson | Lawrence | Water Superintendent | City of Ellsworth |
| Wilson | Doreen | Assistant Planner | Topsham |
| Woods | Tess | Third Selector | Government - Municipal |
| Wood | John | | Lyman |
| Woodsworth | Pam | | Government - County |
| Wormstead | Sherri J | | Government - Federal |
| Worthley | Robert | | Town of Anson |
| Wright | Jed | | Government - Federal |
| Yattaw | Cherie | | St. George |
| Young | Joseph | Floodplain Mapping Coordinator | Maine State Planning Office |
| Young | Mike | | Phippsburg |
| Youngs | Thea | | Island Institute |
| Zeigler | Jannelle | Tax Collector | |
| Ziegler | Vern | | Town of Islesboro |
| Zilman | Donald | President | UMPG |